

Delaware Department of Transportation
QUESTIONS AND ANSWERS
RFP1994- WZ_TRAF_SYS
Smart Work Zone System Services
Wednesday, January 6, 2021

Q #	Question	Answer
28	<p>4.1 General</p> <p>The WZTMS system components consist of the following equipment, at a minimum:</p> <ol style="list-style-type: none"> 1. Portable Changeable Message Sign (PCMS) 2. Portable Traffic Sensors (PTS) 3. Portable PTZ Camera Trailers (PCCTV) 4. Portable Variable Speed Limit Signs (PVSL) with speed feedback capabilities 5. Communication equipment for all the above devices including wireless data networks, base stations, cell phone data interfaces, Ethernet network interfaces, and Internet interfaces. 6. Customized and secure (https:// protocol) webpage integrated with the WZTMS such that all WZTMS devices may be monitored or modified via the WZTMS by DelDOT. 7. Software package customized for the needs of the Task Order and required traffic applications, or equivalent. 8. In addition to the above-specified equipment, the following requirements shall be met for each WZTMS, PTS, PCMS, PCCTV, and PVSL: <p style="text-align: right;">There is</p> <p>no statement of if the contractor is supplying new equipment or used equipment. Can the state specify specifically the age of the equipment or if it should be new or used?</p>	<p>The equipment is expected to be operational as a complete system. All equipment will be maintained by the vendor and subject to penalties if not operational, therefor, being at the vendors risk to use older/used equipment.</p>
27	<p>There is currently 9 payable items, 6 of them are specific quantities for products. For the additional 3 payable items is that at the provider's discretion to state or add service that will be needed?</p> <p>Can these be things like transport costs, service costs, and maintenance?</p>	<p>The pay items should be for added system items and functionally quantities that your specific system can provide in additional to the RFP.</p> <p>All cost for transport, service, and maintenance should be built into your unit price per Items 1-6.</p>

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26	As ITS systems are systems, they often require the mfg of the gear (camera, sensors, and trailer mfgs) and they typically require a traffic control partner to set up, deploy, and maintain these items. Would the state consider having a meeting or a product learning visit?	Yes, the Department will consider having a meeting of product learning visit.
25	Project Information, Page 3 of 36 & Attachment E, page 34 of 36. The spec states, “the RFQ Is for the purpose of acquiring Proposals from qualified firms to provide furnishing, installation, relocating, operating, maintaining, and removing an automated portable Work Zone Traffic Management System (WZTMS) for work zones identified by the Department.” While Attachment E shows the devices specified in the spec. Can the state specify if they are seeking to procure these assets directly, or are they asking the contractor to procure these devices, set them up, and maintain them?	The State is requesting the bidder to provide unit prices for items 1-6 that include their anticipated cost to furnish, install, relocate, operate, maintain and remove the item for the entirety of the contract. The Department will request a quantity of said items and the successful bidder will be expected to make the system operational in a pre-determined location/corridor.
24	Page 19 of 20 6.5 System Operational Performance within 12 hours of notification by the Department. If all corrections are made within this 12-hour period and the system is brought back on-line, no pay reduction will occur. If the 12-hour timeframe expires and the components of the system are not fully restored to proper working order, payment deductions for the system will be made for that day and daily until such time as the entire system is brought back on-line at the discretion of the Department. The payment deduction will be determined as follows. Would the state consider revising these statements?	No, the Department will not consider revising the statement at this time.

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23	<p>Page 6 of 20 4.1 General</p> <p>The WZTMS system components consist of the following equipment, at a minimum:</p> <ol style="list-style-type: none"> 1. Portable Changeable Message Sign (PCMS) 2. Portable Traffic Sensors (PTS) 3. Portable PTZ Camera Trailers (PCCTV) 4. Portable Variable Speed Limit Signs (PVSL) with speed feedback capabilities 5. Communication equipment for all the above devices including wireless data networks, base stations, cell phone data interfaces, Ethernet network interfaces, and Internet interfaces. 6. Customized and secure (https:// protocol) webpage integrated with the WZTMS such that all WZTMS devices may be monitored or modified via the WZTMS by DelDOT. 7. Software package customized for the needs of the Task Order and required traffic applications, or equivalent. 8. In addition to the above-specified equipment, the following requirements shall be met for each WZTMS, PTS, PCMS, PCCTV, and PVSL: Can the state specify specifically the age of the equipment or if it should be new or used? 	<p>The equipment is expected to be operational as a complete system. All equipment will be maintained by the vendor and subject to penalties if not operational; therefor, being at the vendors risk to use older/used equipment.</p>
22	<p>Page 19 of 20 6.5 System Operational Performance</p> <p>within 12 hours of notification by the Department. If all corrections are made within this 12-hour period and the system is brought back on-line, no pay reduction will occur. If the 12-hour timeframe expires and the components of the system are not fully restored to proper working order, payment deductions for the system will be made for that day and daily until such time as the entire system is brought back on-line at the discretion of the Department. The payment deduction will be determined as follows.</p> <p>Would the state consider revising these statements? Would there be a way to work together better and form a partnership?</p>	<p>No, the Department will not consider revising the statement at this time.</p>

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21	<p>1. Project Information, Page 3 of 36 & Attachment E, page 34 of 36.</p> <p>The spec states, “the RFQ Is for the purpose of acquiring Proposals from qualified firms to provide furnishing, installation, relocating, operating, maintaining, and removing an automated portable Work Zone Traffic Management System (WZTMS) for work zones identified by the Department.” While Attachment E shows the devices specified in the spec.</p> <p>Can the state specify if they are seeking to procure these assets directly, or are they asking the contractor to procure these devices, set them up, and maintain them?</p>	<p>The Department is requesting the bidder to provide their anticipated cost to furnish, install, relocate, operate, maintain and remove the item for the entirety of the contract. The Department will request a quantity of said items and the successful bidder will be expected to make the system operational in a pre-determined location/corridor. The Department is not looking to procure any one item for purchase.</p>
20	<p>Item 7.0 Payment (pdf page 20 of 20)</p> <p>We mentioned during the pre-bid meeting that DelDOT should consider changing the units of measure from “Each” to “Unit-Days”, “Unit-Weeks” or “Unit-Months” to better accommodate this contract and allow for adding or reducing equipment by type even during a particular task order. Will DelDOT do this, as the “each” unit of measure seems more like a purchase than a lease with service provided?</p>	<p>The Department agrees with the suggestion and the bid will be amended to change the unit price to a "Unit-Day" or unit per day price.</p>
19	<p>Item 6.3 Operational Field Test (pdf page 16 of 20)</p> <p>A. “...police rolling road block...” Shouldn’t DelDOT define how and when this occurs?</p> <p>B. Also who has to cover the cost of this effort? If the vendor/supplier, then what is the typical cost?</p>	<p>A. The Department will work with the selected vendor to develop a test scenario where the system will be analyzed following appropriate Typical Applications.</p> <p>B. Any associated costs for Maintenance of Traffic will be absorbed by the Department for testing but the selected vendor will be responsible for setting up the equipment and test system to prove out their AQWS solution.</p>
18	<p>Item 5.2 Communications Cost (pdf page 12 of 20)</p> <p>This refers back to an earlier question on if DelDOT will assume the communication costs for only the PCCTV trailers, thus requiring different wording in the first sentence. Will this be revised?</p>	<p>The Department will provide the modem/data plans for the PCCTV-Item 3 and will work with the successful vendor to integrate into the Departments existing system for video capabilities.</p>

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17	Item 5.0.5 (pdf page 12 of 20) “...the current video streaming shall be viewable by clicking the PCCTV icon.” Could we simply update the image for each PCCTV once a minute and provide a link for streaming and/or PTZ control (for authorized users)?	The Department will provide the modem/data plans for the PCCTV-Item 3 and will work with the successful vendor to integrate into our existing system for video capabilities.
16	Item 4.5.2 WZSL Requirements (pdf page 11 of 20) “2 strobe lights” are required, yet there is not much detail on this. We make a trailer very much like this with ITE approved 12” yellow beacons above and below the speed signs/plaques. Would this be acceptable? If not, could you please provide more details on size and placement and standards for these strobes and their flash rate?	Yes, this solution would be acceptable to the Department.
15	Item 4.5.1 Speed Feedback Signs (pdf page 11 of 20) Typically these signs feature amber LED’s, not white, as described. During the pre-bid meeting we discussed if this was an error. Can you please clarify?	Amber is the correct feedback color and the RFP will be amended to correct that.
14	Item 4.4 PCCTV Trailers (pdf page 9 of 20) During the pre-bid meeting, we discussed some of the vendor’s concerns with how the PCCTV units would be utilized and how much bandwidth would be consumed. It was mentioned that historically DelDOT provided their own SIM cards and provided the associated cellular service costs for the PCCTV trailers. Will this be the case?	The Department will provide the modem/data plans for the PCCTV-Item 3 and will work with the successful vendor to integrate into our existing system for video capabilities.
13	Item 4.3 Portable Traffic Sensors (PTS) (pdf page 9 of 20) Can we assume the microwave (side-fire) sensors are only for stand alone PTS trailers, since Doppler radars are used on some of the speed trailers?	Yes.
12	Item 3.3 (pdf page 6 of 20) Can DelDOT just consider one demonstration/approval for the entire contract vs per task order?	Yes, one demonstration/approval.
11	Item 2.4.1 (pdf page 4 of 20) Is it correct to assume that these traditionally isolated speed feedback signs will be connected by modem to the WZTMS and that the speed data gathered by these trailers will be communicated and stored (once/minute) in the WZTMS?	Yes.

Q #	Question	Answer
10	Item 2.2, 2.3, 2.4 & 2.5 (pdf pages 3 & 4 of 20) Is it safe to assume that the WZTMS applications defined in these sections will be covered in the negotiated Task Order for each deployment as part of Pay Item 801530 in Section 7.1?	Yes, each task order will identify which types of applications are to be deployed.
9	Item 2.1 General (pdf page 2 of 20) A. "...additional Department supplied PCMS or fixed Changeable Message Signs (CMS)..." Can we assume all department supplied PCMS/CMS communications/control will be fully accessible using our WZTMS system? If so, will we need to provide our own modems? B. "The Department will indicate if and when Department and/or outside data sources are to be used..." Can we assume this need will be indicated in advance of the Task Order for each deployment and that any integration or recurring costs can be included as part of Pay Item 801530 in Section 7.1?	A. The Department supplied PCMS or fixed CMS will not be fully accessible using the WZTMS system and the Department will use it's own modems for Department-owned equipment. B. The need for Department and/or outside data sources will be communicated on each task order as appropriate. Integration/recurring costs would be part of 801530.
8	What brand of TCM Software does DelDOT use?	This information will be provided to the successful bidder
7	Is there an anticipated start date?	Flexible, late Spring 2021.
6	Does DelDOT require multilane data collection for this contract?	A Task Order could very well require the need for multilane data collection. Any additional functionality or items can be presented with the bid package and included for Items 7-9.
5	Can this equipment be staged at a DelDOT facility when not deployed?	Yes.
4	In line items # 801531 thru #801536 is that pricing to be for equipment only? Please clarify, is the price for the purchase or rental of each item? Also, it is understood that all costs outside of the individual piece of equipment will be covered under the task order, correct?	The pricing is for equipment only and it is for rental of the equipment. The Department does not intend to purchase equipment from this Contract. All costs outside of the individual piece of equipment is covered under 801530, see Section 7.1 of Appendix A.
3	Section 7.1 System Configuration and Mobilization Page 19 To clarify Payment Item 801530 would be based on each individual Task Order to cover items listed in the section?	Each task order will pay item 801530 for the items listed in that section.

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2	<p>Appendix A Section 4.4 PCCTV Page 9</p> <p>It is stated that the PCCTV shall be “capable” of streaming 30 Frames per second. Our normal streaming we provide with our data plan is 4-7FPS as most cellular providers limit bandwidth and will throttle back the bandwidth in the event of excessive use. If 30 fbs is required is DELDOT willing to provide the modem and data plans at your cost.</p>	<p>The Department will provide the modem/data plans for the PCCTV-Item 3 and will work with the successful vendor to integrate into our existing system for video capabilities.</p>
1	<p>Will an XML data feed example be provided to the contractor? And, who is your software provider for the head end software at the TMC?</p>	<p>This information will be provided to the successful bidder</p>